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Attorney's Docket No.: 07039-386US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Peter C. Harris et al.
Serial No. : 10/501,834
Filed : July 19, 2004
Title : POLYCYSTIC KIDNEY DISEASE NUCLEIC ACIDS AND PROTEINS

Art Unit : Unknown
Examiner : Unknown

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL

The following correspondence relating to this application is enclosed for filing:

1. Information Disclosure Statement (1 page);
2. Form PTO-1449 (3 pages);
3. Copies of Cited References (36 references); and
4. A Return Postcard.

Please date stamp and return the enclosed postcard. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 7/28/05

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Lisa M. Becker
Typed or Printed Name of Person Signing Certificate

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INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

This statement is being filed before the receipt of a first Office Action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07039-386US1	Application No. 10/501,834
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Peter C. Harris et al.	
		Filing Date July 19, 2004	Group Art Unit

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AT	MacKay et al., "Glomerular epithelial, mesangial, and endothelial cell lines from transgenic mice," Kidney Int., 1988, 33:677-684
	AU	Nagasawa et al., "Identification and Characterization of *Pkhd1*, the Mouse Orthologue of the Human ARPKD Gene," J. Am. Soc. Nephrol., 2002, 13:2246-2258
	AV	Nielsen et al., "Identification of prokaryotic and eukaryotic signal peptides and prediction of their cleavage sites," Protein Eng., 1997, 10(1):1-6
	AW	Onuchic et al., "*PKHD1*, the Polycystic Kidney and Hepatic Disease 1 Gene, Encodes a Novel Large Protein Containing Multiple Immunoglobulin-Like Plexin-Transcription-Factor Domains and Parallel Beta-Helix 1 Repeats," Am. J. Hum. Genet., 2002, 70(5):1305-1317
	AX	Park et al. "A 1-Mb BAC/PAC-Based Physical Map of the Autosomal Recessive Polycystic Kidney Disease Gene (*PKHD1*) Region on Chromosome 6," Genomics, 1999, 57:249-255
	AY	Prince et al., "Robust and Accurate Single Nucleotide Polymorphism Genotyping by Dynamic Allele-Specific Hybridization (DASH): Design Criteria and Assay Validation," Genome Res., 2001, 11(1):152-162
	AZ	Pritchard et al., "A human *PKD1* transgene generates functional polycystin-1 in mice and is associated with a cystic phenotype," Hum. Mol. Genet., 2000, 9(18):2617-2627
	AAA	Rossetti et al., "A complete mutation screen of *PKHD1* in autosomal-recessive polycystic kidney disease (ARPKD) pedigrees," Kidney Int., 2003, 64(2):391-403
	ABB	Rossetti et al., "Mutation analysis of the ARPKD gene," J. Am. Soc. Nephrol., Abstract No. F-P0222
	ACC	Rost et al., "Topology prediction for helical transmembrane proteins at 86% accuracy," Protein Sci., 1996, 5:1704-1718
	ADD	Roy et al., "Autosomal recessive polycystic kidney disease: long-term outcome of neonatal survivors," Pediatr. Nephrol., 1997, 11:302-306
	AEE	Schafer and Hawkins, "DNA variation and the future of human genetics," Nat. Biotechnol., 1998, 15:33-39
	AFF	Scott et al., "Refining the DFNB7-DFNB11 deafness locus using intragenic polymorphisms in a novel gene, *TMEM2*," Gene, 2000, 246:265-274
	AGG	Sonnhammer et al., "A hidden Markov model for predicting transmembrane helices in protein sequences," Proc. Sixth Int. Conf. on Intelligent Systems for Molecular Biology, 1998, Glasgow et al. (eds.), AAAI Press
	AHH	Stoneking et al., "Population Variation of Human mtDNA Control Region Sequences Detected by Enzymatic Amplification and Sequence-specific Oligonucleotide Probes," Am. J. Hum. Genet., 1991, 48:370-382
	AII	Tilgmann and Kalkkinen, "Purification and partial characterization of rat liver soluble Catechol-*O*-methyltransferase," FEBS, 1990, 264:95-99
	AJJ	Underhill et al., "Detection of Numerous Y Chromosome Biallelic Polymorphisms by Denaturing High-Performance Liquid Chromatography," Genome Res., 1997, 7:996-1005
	AKK	Ward et al., "The gene mutated in autosomal recessive polycystic kidney disease encodes a large, receptor-like protein," Nat. Genet., 2002, 30(3):259-269
	ALL	Xiao and Oefner, "Denaturing High-Performance Liquid Chromatography: A Review," Hum. Mutat., 2001, 17:439-474
	AMM	Xiong et al., "A Novel Gene Encoding a TIG Multiple Domain Protein Is a Positional Candidate for Autosomal Recessive Polycystic Kidney Disease," Genomics, 2002, 80(1):96-104

Examiner Signature	Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	ANN	Zerres et al., "Autosomal recessive polycystic kidney disease in 115 children: clinical presentation, course and influence of gender," Acta Paediatr., 1996, 85:437-445
	AOO	Zerres et al., "Mapping of the gene for autosomal recessive polycystic kidney disease (ARPKD) to chromosome 6p21-cen," Nat. Genet., 1994, 7:429-432

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U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,946,778	08/07/90	Ladner et al.			
	AB	5,451,683	09/19/95	Barrett et al.			
	AC	5,733,729	03/31/98	Lipshutz et al.			
	AD	5,770,722	06/23/98	Lockhart et al.			
	AE	6,071,717	06/06/00	Klinger et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	AF	WO 98/20019	05/14/98	WIPO				
	AG	WO 99/57318	11/11/99	WIPO				
	AH	WO 01/75067	10/11/01	WIPO				
	AI	1 104 808	06/06/01	EPO				

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AJ	GenBank Accession No. BG431652 dated 3/12/01
	AK	Claros and von Heijne, "TopPred II: an improved software for membrane protein structure predictions," Comput. Appl. Biosci., 1994, 10:685-686
	AL	Cole et al., "Polycystic kidney disease in the first year of life," J. Pediatr., 1987, 111:693-699
	AM	Guay-Woodford, "Autosomal Recessive Polycystic Kidney Disease (ARPKD): New Insights from the Identification of the ARPKD Gene, PKHD1," Pediatric Research, 2002, 52(6):830-831
	AN	Hacia et al., "Detection of heterozygous mutations in *BRCA1* using high density oligonucleotide arrays and two-colour fluorescence analysis," Nat. Genet., 1996, 14:441-447
	AO	Harris et al., "Rapid genetic analysis of families with polycystic kidney disease 1 by means of a microsatellite marker," Lancet, 1991, 338:1484-1487
	AP	Harris, "Molecular basis of polycystic kidney disease: *PKD1*, *PKD2* and *PKHD1*," Curr. Opin. Nephrol. Hypertens., 2002, 11:309-314
	AQ	Hofmann et al., "Genomic structure of the gene for the human P1 protein (MCM3) and its exclusion as a candidate for autosomal recessive polycystic kidney disease," Eur. J. Hum. Genet., 2000, 8:163-166
	AR	Huse et al., "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda," Science, 1989, 246:1275-1281
	AS	Kaplan et al., "Variable Expression of Autosomal Recessive Polycystic Kidney Disease and Congenital Hepatic Fibrosis Within a Family," Am. J. Med. Genet., 1988, 29:639-647

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